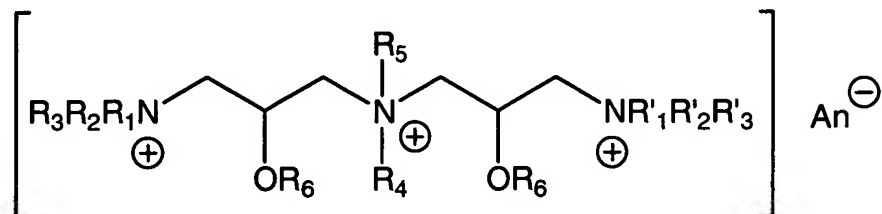
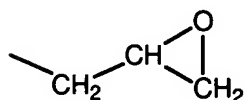


ABSTRACT OF DISCLOSURE

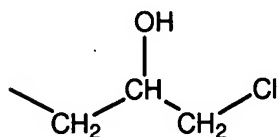
This invention pertains to novel multiple quaternary ammonium salts and their derivatives represented by the formula:



wherein each R₁, R'₁, R₂, R'₂, R₃, R'₃, R₄ or R₅ is independently selected from the group consisting alkyl, aryl, aralkyl and -CH₂-CH(OR₆)-CH₂N⁺R₁R₂R₃;
wherein one or more R₆ group is selected from the group consisting of:

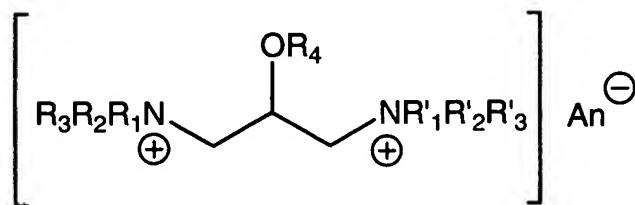


and

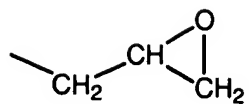


and wherein An⁻ is an anion.

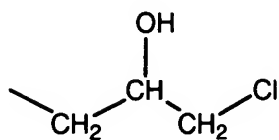
This invention also pertains to novel multiple quaternary ammonium salts and their derivatives represented by the formula:



wherein each R₁, R'₁, R₂, R'₂, R₃ or R'₃ group is independently selected from the group consisting of alkyl, aryl, aralkyl and -CH₂-CH(OR₄)-CH₂N⁺R₁R₂R₃;
wherein one or more R₄ group is selected from the group consisting of:



and



and wherein An^- is an anion.